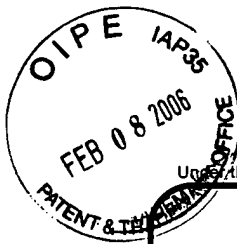


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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/509,501	
	Filing Date	September 28, 2004	
	First Named Inventor	HANSE	
	Group Art Unit	1725	
	Examiner Name	LIN, Ing Hour	
Total Number of Pages in This Submission	15	Attorney Docket Number	1396

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Receipt Postcard
Remarks		


SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Robert S. Klemz, Jr. Reg.No. 46,305
Signature	
Date	02/03/2006

CERTIFICATE OF MAILING		
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: Feb. 3, 2006		
Typed or printed name	Thomas C. Dunford	
Signature		Date February 3, 2006

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)	HANSE, et al.
)	
Title	)	THERMAL SHOCK RESISTANT
	)	CASTING ELEMENT AND
	)	MANUFACTURING PROCESS THEREOF
Serial Number	)	10/509,501
Filing Date	)	September 28, 2004
Art Unit	)	1725
Examiner	)	Lin, Ing Hour
Attorney Docket No.	)	1396

**RESPONSE TO NOTICE OF NON-COMPLIANT AMENDMENT (37 CFR 1.121)**

To: Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Applicants hereby respond to the Notice of Non-Compliant Amendment mailed on January 10, 2006 setting a shortened statutory period of response of one month, thus bringing the deadline for response to February 10, 2006. The Director is authorized to charge all necessary fees to Deposit Account No. 220281.

The full text of the initial Response filed on December 30, 2005 is enclosed, with the deficiencies cited by the Legal Instruments Examiner having been corrected. Specifically, each section of the amendment now begins on its own page, and the status identifiers for each claim has been corrected.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	)	HANSE, et al.
)	
Title	)	THERMAL SHOCK RESISTANT
	)	CASTING ELEMENT AND
	)	MANUFACTURING PROCESS THEREOF
Serial Number	)	10/509,501
)	
Filing Date	)	September 28, 2004
)	
Art Unit	)	1725
)	
Examiner	)	Lin, Ing Hour
)	
Attorney Docket No.	)	1396

**RESPONSE TO OFFICE ACTION PURSUANT TO 37 C.F.R. §1.111**

To: Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Applicants hereby respond to the Office Action mailed on September 27, 2005 setting a shortened statutory period of response of three months, thus bringing the deadline for response to December 27, 2005. The Director is authorized to charge all necessary fees to Deposit Account No. 220281.

In response to the Office Action mailed September 27, 2005, please consider the following remarks regarding the currently rejected claims.